



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 4, 2017

Diana Williams  
Registration Specialist  
Winfield Solutions, LLC  
P.O. Box 64589  
St. Paul, MN 55164-0589

Subject: Notification per PRN 98-10 and 2017-1 –Updated precautionary language,  
resistance management language and warranty statement  
Product Name: CYPER G-AG 2.5 EC INSECTICIDE  
EPA Registration Number: 83222-7  
Application Date: 10/17/2017  
Decision Number: 535479

Dear Ms. Williams:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 and PRN 2017-1 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and 2017-1 and finds that the action requested falls within the scope of PRN 98-10 and 2017-1.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, you may contact Angela Hollis at 703-347-0216 or via email at [hollis.angela@epa.gov](mailto:hollis.angela@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Kable Bo Davis". The signature is written in a cursive, flowing style.

Kable Bo Davis  
Product Manager 3  
Invertebrate & Vertebrate Branch 1  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

**CYPER G-AG 2.5 EC**

INSECTICIDE

**RESTRICTED USE PESTICIDE**

Due to toxicity to fish and aquatic invertebrates.

For retail sale to, and use only by, Certified Applicators or persons under their direct supervision, and only for those users covered by the Certified Applicator's certification.

CYPERMETHRIN

GROUP

3A

INSECTICIDE

**CYPER G-AG 2.5 EC**

INSECTICIDE

**NOTIFICATION**

83222-7

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/04/2017

**Active Ingredient ACTIVE INGREDIENT:**

*Cypermethrin** .....	30.6%
OTHER INGREDIENTS*** .....	69.4%
TOTAL.....	100.0%

\* ( $\pm$ ) $\alpha$ -cyano-(3-phenoxyphenyl)methyl ( $\pm$ ) *cis/trans*-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate

\*\*Cis/trans ratio: 47/53+10%

\*\*\*Contains xylene range aromatic solvents. Contains 2.5 pounds cypermethrin per gallon

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING - AVISO**

**FIRST AID****IF SWALLOWED:**

- Immediately call a poison control center or doctor.
- Do not give any liquid to the person.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF IN EYES:**

- Hold eye open and rise slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**Note to Physician:** Contains petroleum distillates – vomiting may cause aspiration pneumonia.

**HOTLINE NUMBERS**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the Rocky Mountain Poison Control Center at 1-866-673-6671 for emergency medical treatment information. You may also CONTACT 1-877-242-7452 FOR EMERGENCY MEDICAL TREATMENT INFORMATION. FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300.

**See booklet for additional Precautionary Statements, Complete Directions for Use, Warranty Disclaimer and Limitation of Liability.**

**Direct AG Source, LLC**  
**30473-260<sup>th</sup> St.**  
**Eldora, IA 50627**

**Manufactured by:**  
**Winfield Solutions, LLC**  
**P.O. Box 64589**  
**St. Paul, MN 55164-0589**

**EPA Reg. No. 83222-7**  
**EPA Est. No.**  
**Net Contents:**

1/1017/7

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### WARNING

**WARNING.** May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Causes moderate eye irritation.

Open and pour this product in a well-ventilated area.

### PERSONAL PROTECTIVE EQUIPMENT (PPE):

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, or viton. ~~If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.~~

#### Mixers, loaders, applicators, and other handlers must wear the following:

Long sleeved shirt and long pants

Shoes and socks and

In addition to the above, handlers using hand-held equipment must also wear chemical-resistant gloves (except for pilots).

See Engineering Controls for additional requirements.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### Engineering Controls

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS. Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops if bees are actively visiting the treatment area.

### PHYSICAL/CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Not compatible with strong oxidizers, strong acids.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during restricted-entry interval (REI) of **12** hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Chemical-resistant gloves made of any waterproof material.
- Shoes plus socks.

### RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, CYPER G-AG 2.5 EC contains a Group 3A insecticide/acaricide. Any insect/mite population may contain individuals naturally resistant to CYPER G-AG 2.5 EC and other Group 3A insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of CYPER G-AG 2.5EC or other Group 3A insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Winfield Solutions, LLC representative.

## **BUFFER ZONES**

### **Vegetative Buffer Strip**

Construct and maintain a minimum 10-foot wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing cypermethrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information on constructing and maintaining effective buffers: *Conservation Buffers to Reduce Pesticide Losses*. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21 pp. <http://www.in.csusda/v/technical/agronom/newconbuf.pdf>.

### **Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast)**

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

### **Buffer Zone for ULV Aerial Application**

Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

### **Buffer Zone for Non-ULV Aerial Application**

Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

## **CHEMIGATION USE DIRECTIONS**

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from

being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump motor must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Apply Cyper G-AG 2.5 EC continuously for the duration of the water application. Dilute Cyper G-AG 2.5 EC in sufficient volume to insure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation is not required when a suitable diluent is used.

### **APPLICATION INSTRUCTIONS**

Use low rate under light to moderate infestation. Use higher rates under heavy insect pressure. The rate of application is variable according to insect pressure, timing of spray and field scouting.

**Rotational Crops:** With the exception of the crops listed below, rotational crops may not be planted within 30 days after the last application.

**Tank Mixtures:** Cyper G-AG 2.5 EC may be applied in tank mixtures with other products approved for use on cotton, brassicas, bulb vegetables, head lettuce and pecans. Observe all restrictions and precautions which appear on the labels of these products.

For improved control of aphids and mites on cotton, Cyper G-AG 2.5 EC may be tank-mixed with Curacron® 8E. The tank mixture is most effective when pest populations are first observed. Subsequent applications may be needed to maintain control.

Do not make more than 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season.

### **SPRAY DRIFT REQUIREMENTS**

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

### **Wind Direction and Speed**

Only apply this product if the wind direction favors on-target deposition. Do not apply when the wind velocity exceeds 15 mph.

Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.

Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

### **Temperature Inversions**

Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

**Droplet Size**

Use only medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, use a coarser droplet size.

Release spray at the lowest height consistent with pest control and flight safety. Avoid applications more than 10 feet above the crop canopy.

**Additional Requirements for Ground Applications**

Wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

**Additional Requirements for Aerial Applications**

The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 80% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

**Maximum Usage when Applying Both Zeta-Cypermethrin and Cypermethrin Products to the Same Crop Within the Same Season:** Do not apply more than the maximum seasonal total for either product when used alone, and do not apply more than the combined maximum seasonal total for both products as outlined in the table below.

Crop	Maximum Seasonal Total for Either Product Used Alone (pounds active ingredient per acre per year)		Maximum Seasonal Total When Applying Both Products to the Same Crop (pounds active ingredient per acre per year)
	Zeta-cypermethrin*	Cypermethrin**	Zeta-cypermethrin plus Cypermethrin
Cotton	0.3	0.4	0.6
Head and Stem Brassica	0.3	0.6	0.6
Leafy Brassica Greens	0.3	0.4	0.4
Head Lettuce	0.3	0.6	0.6
Bulb Vegetables	0.25	0.5	0.5
Pecans	0.3	0.5	0.6

\*Trade names for zeta-cypermethrin include Fury and Mustang.

\*\*Trade names for cypermethrin include Ammo and Cypermethrin 2.5 EC Ag Insecticide.

**COTTON (14 DAY PHI)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL. OZ./A	
Pre-emergent Use: Cutworms	0.025 to 0.1	1.3 to 5	Use Cyper G-AG 2.5 EC in the time period from 14 days prior to planting up to emergence of the crop. Apply as a broadcast spray by ground or air, banded (including T-band) or in-furrow spray using sufficient spray volume to achieve adequate coverage. Reduced volumes of water may be used with specialized equipment. Use a minimum of 1 gallon of water per acre by air. Use the higher rates of Cyper G-AG 2.5 EC when incorporating into the soil.
Foliar Use: Cutworms Tobacco Thrips Soybean (banded) thrips	0.025 to 0.1	1.3 to 5	Cyper G-AG 2.5 EC may be applied in water or refined vegetable oil. When water is used, apply a minimum of one gallon of finished spray per acre by air or five gallons of finished spray with ground equipment.
Foliar Use: Boll Weevil Cabbage Looper Cotton Bollworm Cotton Fleahopper Cotton Leaf Perforator European Corn Borer Fall Armyworm Lygus Bugs Other Plant Bugs Pink Bollworm Saltmarsh Caterpillar Tarnished Plant Bug Tobacco Budworm White Flies* Yellow Striped Armyworm	0.04 to 0.1	2 to 5	When applying in water by air, one quart of emulsified oil may be substituted for one quart of water in the finished spray. When using oil, use a minimum of one quart per acre in the finished spray.  Cyper G-AG 2.5 EC may be injected into overhead sprinkler irrigation water provided 1) an anti-backflow check valve is present between the injection port and the water source, 2) a check valve is present in the line to prevent irrigation water from entering the chemical supply tank and 3) the irrigation injection system has interlocking on-off switches.  All use patterns: A maximum of 0.4 lb. ai (20 fl. oz. product) may be applied per acre per year. Do not make applications less than 5 days apart. Do not graze or feed cotton for forage. Do not make more than 10 synthetic pyrethroid applications (of one product or combinations of products) to cotton in one growing season.
Foliar Use: Beet Armyworm**	0.06 to 0.1	3 to 5	

\*Aids in control

\*\*For control of beet armyworms only in the high plains of Texas, Arizona, and California.

**HEAD AND STEM BRASSICA VEGETABLES INCLUDING: BROCCOLI, CHINESE BROCCOLI (GAILON, WHITE FLOWERING BROCCOLI); BRUSSELS SPROUTS; CAULIFLOWER; CAVALO BROCCOLO; KOHLRABI; CABBAGE; CHINESE CABBAGE (NAPA) (TIGHT-HEADING VARIETIES ONLY) (1 DAY PHI)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL. OZ./A	
Cutworms Corn Earworm Tobacco Budworm Lygus Bugs Saltmarsh Caterpillar Leafhoppers Flea Beetles Imported Cabbageworm Cucumber Beetles Aphids* Whiteflies*	0.05 to 0.1	2.5 to 5	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.  Use lower rates of Cyper G-AG 2.5 EC under light to moderate insect pressure. Use higher rates to control heavy to extremely heavy insect populations.  A maximum of 0.6 lb. ai (30 fl. oz. product) may be applied per acre per year.  Do not make applications less than 7 days apart.
Armyworms Loopers Stinkbugs Crickets	0.075 to 0.1	3.75 to 5	In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum specified rates may be required.

Ground Beetles Onion Thrips Wireworm (adults)			Follow appropriate spray drift precautions.
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\*Aids in control

**LEAFY BRASSICA GREENS INCLUDING: BROCCOLI RAAB (RAPINI); CHINESE CABBAGE (BOK CHOY); CHINESE MUSTARD CABBAGE (GAI CHOY); COLLARDS; KALE; MIZUNA; MUSTARD GREENS; MUSTARD SPINACH; RAPE GREENS (1 DAY PHI)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL. OZ./A	
Cutworms Corn Earworm Tobacco Budworm Lygus Bugs Saltmarsh Caterpillar Leafhoppers Flea Beetles Imported Cabbageworm Cucumber Beetles Aphids* Whiteflies*	0.05 to 0.1	2.5 to 5	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.  Use lower rates of Cyper G-AG 2.5 EC under light to moderate insect pressure. Use higher rates to control heavy to extremely heavy insect populations.  A maximum of 0.4 lb. ai (20 fl. oz. product) may be applied per acre per year.  Do not make applications less than 7 days apart
Armyworms Loopers Stinkbugs Crickets Ground Beetles Onion Thrips Wireworm (adults)	0.075 to 0.1	3.75 to 5	In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum specified rates may be required.  Follow appropriate spray drift precautions.

\*Aids in control

**HEAD LETTUCE (5 DAY PHI)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL. OZ./A	
Corn Earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Imported Cabbageworm Leafhoppers Lygus Bugs Saltmarsh Caterpillar Tobacco Budworm	0.05 to 0.1	2.5 to 5	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.  Use lower rates of Cyper G-AG 2.5 EC under light to moderate insect pressure. Use higher rates to control heavy to extremely heavy insect populations.  A maximum of 0.6 lb. ai (30 fl. oz. product) may be applied per acre per year.
Armyworms Crickets Loopers Onion Thrips Stinkbugs	0.075 to 0.1	3.75 to 5	Do not make applications less than 7 days apart.  In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum specified rates may be required.  Follow appropriate spray drift precautions.

**BULB VEGETABLES (ALLIUM SPP.) INCLUDING: GARLIC; GREAT-HEADED (ELEPHANT) GARLIC; GREEN ESCHALOTS; JAPANESE BUNCHING ONIONS; LEEKS; ONION, DRY BULB AND GREEN; WELCH ONION; SHALLOTS, DRY BULB AND GREEN; SPRING ONION OR SCALLIONS (7 DAY PHI)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL. OZ./A	
Onion Thrips	0.08 to 0.1	4 to 5	Apply Cyper G-AG 2.5 EC in a minimum of 20 gallons per acre with ground equipment or in a minimum of 3 gallons per acre by aircraft. Begin applications when pests appear.
Aphids Armyworms Cutworms Leafminers Onion Maggot Adults Stinkbugs	0.04 to 0.1	2.5 to 5	
			To control Onion Thrips: Use higher rates as population increases and avoid rescue situations. Use of a crop oil concentrate at 16 fl. oz./A is recommended.
			A maximum of 0.5 lb. ai (25 fl. oz. product) may be applied per acre per year. Do not make applications less than 7 days apart.
			Do not graze livestock in treated areas or cut treated crops for feed.
			Follow appropriate spray drift precautions.

**PECANS (21 DAY PHI)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL. OZ./A	
Black Pecan Aphid Hickory Shuckworm Pecan Nut Casebearer Pecan Weevil Yellow Pecan Aphid	0.06 to 0.1	3 to 5	Make applications at the lower rate when pest populations are low. Increase rates as the pest pressure increases. Apply by ground equipment to the point of drip. Use 100 gallons of dilute spray per acre for smaller trees. For larger trees which require higher gallonage to achieve adequate coverage, apply in 200 to 300 gallons of water. In order to calculate the correct number of gallons of water needed to spray one acre of your trees to the point of drip, you may need to conduct a test. If you do not know how to conduct such a test with your equipment, request assistance from your equipment dealer.
			Up to 0.5 lb. ai (25 fl. oz. product) per acre per year may be applied prior to shuck split.
			Do not make applications less than 7 days apart.
			Do not graze livestock in treated orchards or cut treated cover crops for feed.

**DEALERS MUST SELL IN ORIGINAL PACKAGES ONLY.**

## STORAGE AND DISPOSAL

**PESTICIDE STORAGE:** Do not store below 10°F (-12°C). Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container.** Clean container promptly after emptying. *[for containers less than 5 gallons]* Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. *[for containers greater than 5 gallons]* Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container back on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Do not cut or weld metal containers.

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure or accident, call CHEMTREC 1-800-424-9300.**

## IMPORTANT INFORMATION READ BEFORE USING PRODUCT

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Direct AG Source, LLC or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of Direct AG Source, LLC and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Direct AG Source, LLC and Seller harmless for any claims relating to such factors.

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